

## APPLICATION NETWORK ASSOCIATION

### ABSTRACT

A method and system is disclosed for controlling packet communications between a first computer network and a second computer network. A driver module implemented in a first computer extracts information about an application session and a network address and port used by the first computer for sending packets of the application session to a second computer in the second computer network when the first computer initially determining a port for the application session. The driver module sends the extracted information to a gateway node of the first computer network, the gateway node being implemented with a server module and the gateway node monitoring one or more packets exchanging between the first and second computer networks. A look-up table is then established for recording the relation between the application and the network address and port used by the first computer for the application. The packet communications between the first and second networks are thus controlled by the gateway node based on the established look-up table.